

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-18. (Canceled).

19. (Currently Amended) A transmission apparatus comprising:

a converting section to which a first information sequence comprising a plurality of bits in series and a second information sequence comprising a plurality of bits in series are input through different routes and that generates ~~an information~~ a sequence of bits including at least one bit of the first information sequence and at least one bit of the second information sequence, in which the first information sequence is more important than the second information sequence; and

a modulation section that modulates the ~~first information and the second information~~ sequence of bits to provide a transmission signal in such a way that one symbol is expressed using three or more bits on an orthogonal coordinate system composed of an in-phase component and a quadrature component,

wherein a bit corresponding to the first information sequence is arranged on ~~at least~~ the first bit of each symbol of the information sequence of bits.

20. (Previously Presented) The transmission apparatus according to claim 19, wherein the first information sequence is important according to the level of importance for maintaining a normal communication.

21. (Currently Amended) The transmission apparatus according to claim 19, wherein the another bit corresponding to the first information sequence is arranged on ~~one or both of the first bit~~ and the second bit of each symbol of the transmission ~~symbol~~ signal.

22. (Previously Presented) The transmission apparatus according to claim 21, wherein information to be arranged on one or both of the first bit and the second bit of each symbol of the transmission signal can be changed at any time according to the level of importance.

23. (Previously Presented) The transmission apparatus according to claim 19, wherein the first information is separated from all information to be communicated and the second information is other than the first information among all the information to be communicated.

24. (Previously Presented) The transmission apparatus according to claim 19, further comprising a circuit that performs inverse Fourier transform processing on the modulated first information and second information.

25. (Previously Presented) A base station apparatus comprising the transmission apparatus of any one of claims 19 to 24, wherein the base station apparatus transmits the transmission signal via an antenna.

26. (Previously Presented) A communication terminal apparatus comprising the transmission apparatus of any one of claims 19-24, wherein the communication terminal apparatus transmits the transmission signal via an antenna.

27. (Currently Amended) A transmission method comprising the steps of:

inputting a first information sequence comprising a plurality of bits in series and a second information sequence comprising a plurality of bits in series through different routes;

~~generating an information~~ a sequence of bits including at least one bit of the first information sequence and at least one bit of the second information sequence, in which the first information sequence is more important than the second information sequence; and

~~modulating the first information and the second information~~ sequence of bits to provide a transmission signal in such a way that one symbol is expressed using three or more bits on an

orthogonal coordinate system composed of an in-phase component and a quadrature component,

wherein a bit corresponding to the first information sequence is arranged on ~~at least~~ the first bit of each symbol of the information sequence of bits.

28. (Previously Presented) The transmission method according to claim 27, wherein the first information sequence is important according to the level of importance for maintaining a normal communication.

29. (Currently Amended) The transmission method according to claim 27, wherein the another bit corresponding to the first information sequence is arranged on ~~one or both of the first bit~~ and the second bit of each symbol of the transmission signal.

30. (Previously Presented) The transmission apparatus according to claim 29, wherein information to be arranged on one or both of the first bit and the second bit of each symbol of the transmission signal can be changed at any time according to the level of importance.